	Application No.	Applicant(s)
Notice of Allowability	10/612,805	WESTWATER, RAYMOND JOHN
	Examiner	Art Unit
	Paulos M. Natnael	2622

*-- The **MAILING DATE** of this communication appears on the cover sheet with the correspondence address--*

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *received 7/20/05*.

2. ☒ The allowed claim(s) is/are *1-22*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date *7/2/03*

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

Paulos M. Natnael
Primary Examiner
Art Unit: 2622

DETAILED ACTION

Allowable Subject Matter

1.   Claims **1-22** are allowed.

2.   The following is an examiner's statement of reasons for allowance: the prior art

fails to disclose a combination of the following limitations comprising: a method for

converting initial digital video data having a method for converting initial digital video

data having a format including an input sequence of pixels extending in a first direction

at a first spacing into output digital video data having a format including an output

sequence of pixels extending in said first direction at a second spacing, different from

said first spacing, wherein said method comprises: transforming coordinate values of a

first sequence of pixels within said input sequence of pixels into a first transformation

function by applying a decorrelating transform to said coordinate values of said first

sequence of pixels, wherein applying said decorrelating transform to said coordinate

values of said first sequence of pixels removes a statistical correlation between

coordinate values of sequentially adjacent pixels within said first sequence of pixels and

determining coordinate values for generating a second sequence of pixels forming a

portion of said output sequence of pixels by evaluating, at locations of pixels

sequentially adjacent in said first direction at said second spacing, a function formed by

applying an inverse of said decorrelating transform to said first transformation function,

as in claims 1 and 11; and,

        a method for converting a sequence of initial digital video frames having an initial

format into a sequence of output digital video frames having an output format, different

from said initial format, wherein said initial format includes a first pixel spacing between

adjacent pixels along scan lines, a first line spacing between adjacent scan lines, and a

first frame spacing between adjacent frames, wherein said output format includes a

second pixel spacing between adjacent pixels along scan lines, a second line spacing

between adjacent scan lines, and a second frame spacing between adjacent frames,

and wherein said method comprises, for an input sequence of pixels extending along

each scan line in each frame within said initial digital video frames: transforming

coordinate values of a first sequence of pixels within said input sequence of pixels into a

first transformation function by applying a decorrelating transform to said coordinate

values of said first sequence of pixels, wherein applying said decorrelating transform to

said coordinate values of said first sequence of pixels removes a statistical correlation

between coordinate values of sequentially adjacent pixels within said first sequence of

pixels determining coordinate values by evaluating, at locations of pixels sequentially

Adjacent at said second pixel spacing, a function formed by applying an inverse of said

decorrelating transform to said first transformation function; and generating a first

intermediate sequence of digital video data including scan lines generated using said

coordinate values determined by evaluating said function formed by applying an inverse

of said decorrelating transform to said first transformation function, as in claim 14.

Any comments considered necessary by applicant must be submitted no later

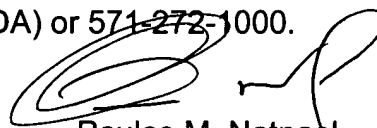than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on
Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Paulos M. Natnael whose telephone number is (571)
272-7354. The examiner can normally be reached on 9am - 5:30pm M,W, F (7am-
3:30pm T,Th). If attempts to reach the examiner by telephone are unsuccessful, the
examiner's supervisor, David Ometz can be reached on (571)272-7593. The fax phone
number for the organization where this application or proceeding is assigned is 571-
273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Paulos M. Natnael
Primary Examiner
Art Unit 2622

PMN
June 6, 2021